

**TOPICS FOR BACHELOR/MASTER THESIS
ANALYSES OF SYSTEM ENGINEERING PROJECTS**

Contact

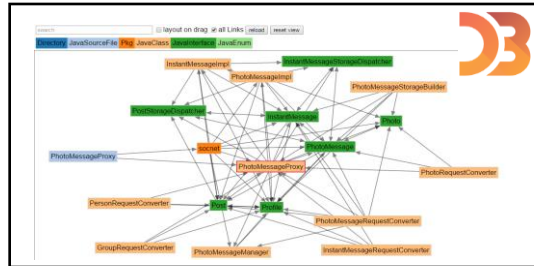
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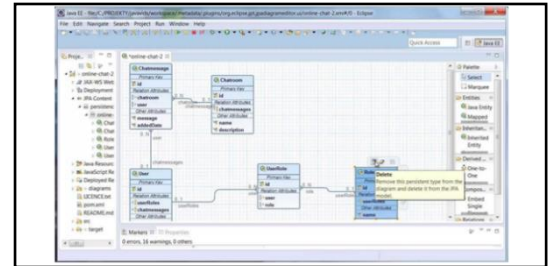
Task Definition:

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For further information of the concrete BA/MA theses make an appointment with T. Greifenberg or S. Hillemacher.



Visualization:
Build interactive Visualization Tools with d3 and angular to display Artifact Data.



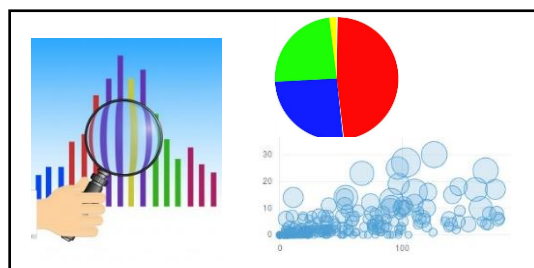
Modeling Languages:
Integrate existing MontiCore languages to ensure Data Consistency during Artifact Analysis.



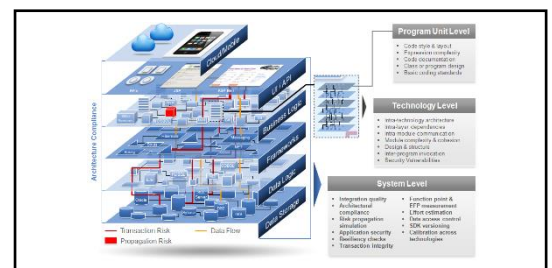
Toolchain:
Extend and Optimize the *MontiArT*-Toolchain. Build new Data Extractors or manage the Data with NoSQL Databases.



Application:
Configure, Adapt and Apply the *MontiArT*-Toolchain to further Use Cases.



Analyses:
Develop new Analysis Algorithms suitable for System Engineering.



Architecture Checks:
Analyze Software Architectures and develop new approaches to check their conformance.